

SEQUENCE LISTING

<110> INCYTE PHARMACEUTICALS, INC.

TANG, Y. Tom
HILLMAN, Jennifer L.
YUE, Henry
AZIMZAI, Yalda
BAUGHN, Mariah R.
TRAN, Bao

<120> HUMAN LIPID-ASSOCIATED PROTEINS

<130> PF-0676 PCT

<140> To Be Assigned
<141> Herewith

<150> 60/120,703; 60/142,762
<151> 1999-02-19; 1999-07-08

<160> 24

<170> PERL Program

<210> 1
<211> 331
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 161190CD1

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Met Asp Ser Glu Lys Lys Arg Phe Thr Glu Glu Ala Thr Lys Tyr
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Phe Arg Glu Arg Val Ser Pro Val His Leu Gln Ile Leu Leu Thr
20 25 30
Asn Asn Glu Ala Trp Lys Arg Phe Val Thr Ala Ala Glu Leu Pro
35 40 45
Arg Asp Glu Ala Asp Ala Leu Tyr Glu Ala Leu Lys Lys Leu Arg
50 55 60
Thr Tyr Ala Ala Ile Glu Asp Glu Tyr Val Gln Gln Lys Asp Glu
65 70 75
Gln Phe Arg Glu Trp Phe Leu Lys Glu Phe Pro Gln Val Lys Arg
80 85 90
Lys Ile Gln Glu Ser Ile Glu Lys Leu Arg Ala Leu Ala Asn Gly
95 100 105
Ile Glu Glu Val His Arg Gly Cys Thr Ile Ser Asn Val Val Ser
110 115 120
Ser Ser Thr Gly Ala Ala Ser Gly Ile Met Ser Leu Ala Gly Leu
125 130 135
Val Leu Ala Pro Phe Thr Ala Gly Thr Ser Leu Ala Leu Thr Ala
140 145 150
Ala Gly Val Gly Leu Gly Ala Ala Ser Ala Val Thr Gly Ile Thr
155 160 165
Thr Ser Ile Val Glu His Ser Tyr Thr Ser Ser Ala Glu Ala Glu
170 175 180
Ala Ser Arg Leu Thr Ala Thr Ser Ile Asp Arg Leu Lys Val Phe
185 190 195
Lys Glu Val Met Arg Asp Ile Thr Pro Asn Leu Leu Ser Leu Leu
200 205 210
Asn Asn Tyr Tyr Glu Ala Thr Gln Thr Ile Gly Ser Glu Ile Arg
215 220 225
Ala Ile Arg Gln Ala Arg Ala Arg Ala Arg Leu Pro Val Thr Thr
230 235 240
Trp Arg Ile Ser Ala Gly Ser Gly Gln Ala Glu Arg Thr Ile

<210> 2
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<213> *Homo sapiens*

<220>
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Met	Asn	Gly	Glu	Glu	Glu	Phe	Phe	Asp	Ala	Val	Thr	Gly	Phe	Asp
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Ser	Asp	Asn	Ser	Ser	Gly	Glu	Phe	Ser	Glu	Ala	Asn	Gln	Lys	Val
			20						25					30
Thr	Gly	Met	Ile	Asp	Leu	Asp	Thr	Ser	Lys	Asn	Asn	Arg	Ile	Gly
			35						40					45
Lys	Thr	Gly	Glu	Arg	Pro	Ser	Gln	Glu	Asn	Gly	Ile	Gln	Lys	His
			50						55					60
Arg	Thr	Ser	Leu	Pro	Ala	Pro	Met	Phe	Ser	Arg	Ser	Asp	Phe	Ser
			65						70					75
Val	Trp	Thr	Ile	Leu	Lys	Lys	Cys	Val	Gly	Leu	Glu	Leu	Ser	Lys
			80						85					90
Ile	Thr	Met	Pro	Ile	Ala	Phe	Asn	Glu	Pro	Leu	Ser	Phe	Leu	Gln
			95						100					105
Arg	Ile	Thr	Glu	Tyr	Met	Glu	His	Val	Tyr	Leu	Ile	His	Arg	Ala
			110						115					120
Ser	Cys	Gln	Pro	Gln	Pro	Leu	Glu	Arg	Met	Gln	Ser	Val	Ala	Ala
			125						130					135
Phe	Ala	Val	Ser	Ala	Val	Ala	Ser	Gln	Trp	Glu	Arg	Thr	Gly	Lys
			140						145					150
Pro	Phe	Asn	Pro	Leu	Leu	Gly	Glu	Thr	Tyr	Glu	Leu	Ile	Arg	Glu
			155						160					165
Asp	Leu	Gly	Phe	Arg	Phe	Ile	Ser	Glu	Gln	Val	Ser	His	His	Pro
			170						175					180
Pro	Ile	Ser	Ala	Phe	His	Ser	Glu	Gly	Leu	Asn	His	Asp	Phe	Leu
			185						190					195
Phe	His	Gly	Ser	Ile	Tyr	Pro	Lys	Leu	Lys	Phe	Trp	Gly	Lys	Ser
			200						205					210
Val	Glu	Ala	Glu	Pro	Arg	Gly	Thr	Ile	Thr	Leu	Glu	Leu	Leu	Lys
			215						220					225
His	Asn	Glu	Ala	Tyr	Thr	Trp	Thr	Asn	Pro	Thr	Cys	Cys	Val	His
			230						235					240
Asn	Val	Ile	Ile	Gly	Lys	Leu	Trp	Ile	Glu	Gln	Tyr	Gly	Thr	Val
			245						250					255
Glu	Ile	Leu	Asn	His	Arg	Thr	Gly	His.	Lys	Cys	Val	Leu	His	Phe
			260						265					270
Lys	Pro	Cys	Gly	Leu	Phe	Gly	Lys	Glu	Leu	His	Lys	Val	Glu	Gly
			275						280					285
His	Ile	Gln	Asp	Lys	Asn	Lys	Lys	Lys	Leu	Phe	Met	Ile	Tyr	Gly
			290						295					300
Lys	Trp	Thr	Glu	Cys	Leu	Trp	Gly	Ile	Asp	Pro	Val	Ser	Tyr	Glu
			305						310					315
Ser	Phe	Lys	Lys	Gln	Glu	Arg	Arg	Gly	Asp	His	Leu	Arg	Lys	Ala
			320						325					330

Lys	Leu	Asp	Glu	Asp	Ser	Gly	Lys	Ala	Asp	Ser	Asp	Val	Ala	Asp
				335					340					345
Asp	Val	Pro	Val	Ala	Gln	Glu	Thr	Val	Gln	Val	Ile	Pro	Gly	Ser
				350					355					360
Lys	Leu	Leu	Trp	Arg	Ile	Asn	Thr	Arg	Pro	Pro	Asn	Ser	Ala	Gln
				365					370					375
Met	Tyr	Asn	Phe	Thr	Ser	Phe	Thr	Val	Ser	Leu	Asn	Glu	Leu	Glu
				380					385					390
Thr	Gly	Met	Glu	Lys	Thr	Leu	Pro	Pro	Thr	Asp	Cys	Arg	Leu	Arg
				395					400					405
Pro	Asp	Ile	Arg	Gly	Met	Glu	Asn	Gly	Asn	Met	Asp	Leu	Ala	Ser
				410					415					420
Gln	Glu	Lys	Glu	Arg	Leu	Glu	Glu	Lys	Gln	Arg	Glu	Ala	Arg	Arg
				425					430					435
Glu	Arg	Ala	Lys	Glu	Glu	Ala	Glu	Trp	Gln	Thr	Arg	Trp	Phe	Tyr
				440					445					450
Pro	Gly	Asn	Asn	Pro	Tyr	Thr	Gly	Thr	Pro	Asp	Trp	Leu	Tyr	Ala
				455					460					465
Gly	Asp	Tyr	Phe	Glu	Arg	Asn	Phe	Ser	Asp	Cys	Pro	Asp	Ile	Tyr
				470					475					480

<210> 3
<211> 409
<212> PRT
<213> *Homo sapiens*

<220>
<221> misc_feature
<223> Incyte ID No: 2454393CD1

<400> 3

Met	Ala	Thr	Ser	Val	Gly	His	Arg	Cys	Leu	Gly	Leu	Leu	His	Gly
1				5					10					15
Val	Ala	Pro	Trp	Arg	Ser	Ser	Leu	His	Pro	Cys	Glu	Ile	Thr	Ala
							20			25				30
Leu	Ser	Gln	Ser	Leu	Gln	Pro	Leu	Arg	Lys	Leu	Pro	Phe	Arg	Ala
					35				40					45
Phe	Arg	Thr	Asp	Ala	Arg	Lys	Ile	His	Thr	Ala	Pro	Ala	Arg	Thr
				50					55					60
Met	Phe	Leu	Leu	Arg	Pro	Leu	Pro	Ile	Leu	Leu	Val	Thr	Gly	Gly
				65					70					75
Gly	Tyr	Ala	Gly	Tyr	Arg	Gln	Tyr	Glu	Lys	Tyr	Arg	Glu	Arg	Glu
				80					85					90
Leu	Glu	Lys	Leu	Gly	Leu	Glu	Ile	Pro	Pro	Lys	Leu	Ala	Gly	His
				95					100					105
Trp	Glu	Val	Ala	Leu	Tyr	Lys	Ser	Val	Pro	Thr	Arg	Leu	Leu	Ser
				110					115					120
Arg	Ala	Trp	Gly	Arg	Leu	Asn	Gln	Val	Glu	Leu	Pro	His	Trp	Leu
				125					130					135
Arg	Arg	Pro	Val	Tyr	Ser	Leu	Tyr	Ile	Trp	Thr	Phe	Gly	Val	Asn
				140					145					150
Met	Lys	Glu	Ala	Ala	Val	Glu	Asp	Leu	His	His	Tyr	Arg	Asn	Leu
				155					160					165
Ser	Glu	Phe	Phe	Arg	Arg	Lys	Leu	Lys	Pro	Gln	Ala	Arg	Pro	Val
				170					175					180
Cys	Gly	Leu	His	Ser	Val	Ile	Ser	Pro	Ser	Asp	Gly	Arg	Ile	Leu
				185					190					195
Asn	Phe	Gly	Gln	Val	Lys	Asn	Cys	Glu	Val	Glu	Gln	Val	Lys	Gly
				200					205					210
Val	Thr	Tyr	Ser	Leu	Glu	Ser	Phe	Leu	Gly	Pro	Arg	Met	Cys	Thr
				215					220					225
Glu	Asp	Leu	Pro	Phe	Pro	Pro	Ala	Ala	Ser	Cys	Asp	Ser	Phe	Lys
				230					235					240
Asn	Gln	Leu	Val	Thr	Arg	Glu	Gly	Asn	Glu	Leu	Tyr	His	Cys	Val
				245					250					255
Ile	Tyr	Leu	Ala	Pro	Gly	Asp	Tyr	His	Cys	Phe	His	Ser	Pro	Thr
				260					265					270

<210> 4

<211> 759

<212> PRT

<213> *Homo sapiens*

<220>

<221> misc_feature

<223> Incyte ID No: 2766980CD1

<400> 4

Met	Glu	Ser	Ser	Pro	Phe	Asn	Arg	Arg	Gln	Trp	Thr	Ser	Leu	Ser
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Leu	Arg	Val	Thr	Ala	Lys	Glu	Leu	Ser	Leu	Val	Asn	Lys	Asn	Lys
				20					25					30
Ser	Ser	Ala	Ile	Val	Glu	Ile	Phe	Ser	Lys	Tyr	Gln	Lys	Ala	Ala
				35					40					45
Glu	Glu	Thr	Asn	Met	Glu	Lys	Lys	Arg	Ser	Asn	Thr	Glu	Asn	Leu
				50					55					60
Ser	Gln	His	Phe	Arg	Lys	Gly	Thr	Leu	Thr	Val	Leu	Lys	Lys	Lys
				65					70					75
Trp	Glu	Asn	Pro	Gly	Leu	Gly	Ala	Glu	Ser	His	Thr	Asp	Ser	Leu
				80					85					90
Arg	Asn	Ser	Ser	Thr	Glu	Ile	Arg	His	Arg	Ala	Asp	His	Pro	Pro
				95					100					105
Ala	Glu	Val	Thr	Ser	His	Ala	Ala	Ser	Gly	Ala	Lys	Ala	Asp	Gln
				110					115					120
Glu	Glu	Gln	Ile	His	Pro	Arg	Ser	Arg	Leu	Arg	Ser	Pro	Pro	Glu
				125					130					135
Ala	Leu	Val	Gln	Gly	Arg	Tyr	Pro	His	Ile	Lys	Asp	Gly	Glu	Asp
				140					145					150
Leu	Lys	Asp	His	Ser	Thr	Glu	Ser	Lys	Lys	Met	Glu	Asn	Cys	Leu
				155					160					165
Gly	Glu	Ser	Arg	His	Glu	Val	Glu	Lys	Ser	Glu	Ile	Ser	Glu	Asn
				170					175					180
Thr	Asp	Ala	Ser	Gly	Lys	Ile	Glu	Lys	Tyr	Asn	Val	Pro	Leu	Asn
				185					190					195
Arg	Leu	Lys	Met	Met	Phe	Glu	Lys	Gly	Glu	Pro	Thr	Gln	Thr	Lys
				200					205					210
Ile	Leu	Arg	Ala	Gln	Ser	Arg	Ser	Ala	Ser	Gly	Arg	Lys	Ile	Ser
				215					220					225
Glu	Asn	Ser	Tyr	Ser	Leu	Asp	Asp	Leu	Glu	Ile	Gly	Pro	Gly	Gln
				230					235					240
Leu	Ser	Ser	Ser	Thr	Phe	Asp	Ser	Glu	Lys	Asn	Glu	Ser	Arg	Arg
				245					250					255
Asn	Leu	Glu	Leu	Pro	Arg	Leu	Ser	Glu	Thr	Ser	Ile	Lys	Asp	Arg
				260					265					270
Met	Ala	Lys	Tyr	Gln	Ala	Ala	Val	Ser	Lys	Gln	Ser	Ser	Ser	Thr

275	280	285
Asn Tyr Thr Asn Glu Leu Lys Ala Ser	Gly Gly Glu Ile Lys Ile	
290	295	300
His Lys Met Glu Gln Lys Glu Asn Val	Pro Pro Gly Pro Glu Val	
305	310	315
Cys Ile Thr His Gln Glu Gly Glu Lys	Ile Ser Ala Asn Glu Asn	
320	325	330
Ser Leu Ala Val Arg Ser Thr Pro Ala	Glu Asp Asp Ser Arg Asp	
335	340	345
Ser Gln Val Lys Ser Glu Val Gln Gln	Pro Val His Pro Lys Pro	
350	355	360
Leu Ser Pro Asp Ser Arg Ala Ser Ser	Leu Ser Glu Ser Ser Pro	
365	370	375
Pro Lys Ala Met Lys Lys Phe Gln Ala	Pro Ala Arg Glu Thr Cys	
380	385	390
Val Glu Cys Gln Lys Thr Val Tyr Pro	Met Glu Arg Leu Leu Ala	
395	400	405
Asn Gln Gln Val Phe His Ile Ser Cys	Phe Arg Cys Ser Tyr Cys	
410	415	420
Asn Asn Lys Leu Ser Leu Gly Thr Tyr	Ala Ser Leu His Gly Arg	
425	430	435
Ile Tyr Cys Lys Pro His Phe Asn Gln	Leu Phe Lys Ser Lys Gly	
440	445	450
Asn Tyr Asp Glu Gly Phe Gly His Arg	Pro His Lys Asp Leu Trp	
455	460	465
Ala Ser Lys Asn Glu Asn Glu Glu Ile	Leu Glu Arg Pro Ala Gln	
470	475	480
Leu Ala Asn Ala Arg Glu Thr Pro His	Ser Pro Gly Val Glu Asp	
485	490	495
Ala Pro Ile Ala Lys Val Gly Val Leu	Ala Ala Ser Met Glu Ala	
500	505	510
Lys Ala Ser Ser Gln Gln Glu Lys Glu	Asp Lys Pro Ala Glu Thr	
515	520	525
Lys Lys Leu Arg Ile Ala Trp Pro Pro	Pro Thr Glu Leu Gly Ser	
530	535	540
Ser Gly Ser Ala Leu Glu Glu Gly Ile	Lys Met Ser Lys Pro Lys	
545	550	555
Trp Pro Pro Glu Asp Glu Ile Ser Lys	Pro Glu Val Pro Glu Asp	
560	565	570
Val Asp Leu Asp Leu Lys Lys Leu Arg	Arg Ser Ser Ser Leu Lys	
575	580	585
Glu Arg Ser Arg Pro Phe Thr Val Ala	Ala Ser Phe Gln Ser Thr	
590	595	600
Ser Val Lys Ser Pro Lys Thr Val Ser	Pro Pro Ile Arg Lys Gly	
605	610	615
Trp Ser Met Ser Glu Gln Ser Glu Glu	Ser Val Gly Gly Arg Val	
620	625	630
Ala Glu Arg Lys Gln Val Glu Asn Ala	Lys Ala Ser Lys Lys Asn	
635	640	645
Gly Asn Val Gly Lys Thr Thr Trp Gln	Asn Lys Glu Ser Lys Gly	
650	655	660
Glu Thr Gly Lys Arg Ser Lys Glu Gly	His Ser Leu Glu Met Glu	
665	670	675
Asn Glu Asn Leu Val Glu Asn Gly Ala	Asp Ser Asp Glu Asp Asp	
680	685	690
Asn Ser Phe Leu Lys Gln Gln Ser Pro	Gln Glu Pro Lys Ser Leu	
695	700	705
Asn Trp Ser Ser Phe Val Asp Asn Thr	Phe Ala Glu Glu Phe Thr	
710	715	720
Thr Gln Asn Gln Lys Ser Gln Asp Val	Glu Leu Trp Glu Gly Glu	
725	730	735
Val Val Lys Glu Leu Ser Val Glu Glu	Gln Ile Lys Arg Asn Arg	
740	745	750
Tyr Tyr Asp Glu Asp Glu Asp Glu		
755		

<211> 226
<212> PRT
<213> *Homo sapiens*

<220>
<221> misc_feature
<223> Incyte ID No: 2768356CD1

<400> 5

Met	Glu	Ile	Val	Pro	Ile	Gly	Thr	Thr	His	Val	Thr	Leu	Pro	Val
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Phe	Gly	Asp	His	Phe	Glu	Trp	Asn	Lys	Val	Thr	Ser	Cys	Ile	His
				20					25					30
Asn	Ile	Leu	Ser	Gly	Gln	Arg	Trp	Ile	Glu	His	Tyr	Gly	Glu	Ile
				35					40					45
Val	Ile	Lys	Asn	Leu	His	Asp	Asp	Ser	Cys	Tyr	Cys	Lys	Val	Asn
				50					55					60
Phe	Ile	Lys	Ala	Lys	Tyr	Trp	Ser	Thr	Asn	Ala	His	Glu	Ile	Glu
				65					70					75
Gly	Thr	Val	Phe	Asp	Arg	Ser	Gly	Lys	Ala	Val	His	Arg	Leu	Phe
				80					85					90
Gly	Lys	Trp	His	Glu	Ser	Ile	Tyr	Cys	Gly	Gly	Gly	Ser	Ser	Ser
				95					100					105
Ala	Cys	Val	Trp	Arg	Ala	Asn	Pro	Met	Pro	Lys	Gly	Tyr	Glu	Gln
				110					115					120
Tyr	Tyr	Ser	Phe	Thr	Gln	Phe	Ala	Leu	Glu	Leu	Asn	Glu	Met	Asp
				125					130					135
Pro	Ser	Ser	Lys	Ser	Leu	Leu	Pro	Pro	Thr	Asp	Thr	Arg	Phe	Arg
				140					145					150
Pro	Asp	Gln	Arg	Phe	Leu	Glu	Glu	Gly	Asn	Leu	Glu	Glu	Ala	Glu
				155					160					165
Ile	Gln	Lys	Gln	Arg	Ile	Glu	Gln	Leu	Gln	Arg	Glu	Arg	Arg	Arg
				170					175					180
Val	Leu	Glu	Glu	Asn	His	Val	Glu	His	Gln	Pro	Arg	Phe	Phe	Arg
				185					190					195
Lys	Ser	Asp	Asp	Asp	Ser	Trp	Val	Ser	Asn	Gly	Thr	Tyr	Leu	Glu
				200					205					210
Leu	Arg	Lys	Asp	Leu	Gly	Phe	Ser	Lys	Leu	Asp	His	Pro	Val	Leu
				215					220					225

112

<210> 6
<211> 500
<212> PRT
<213> *Homo sapiens*

<220>
<221> misc_feature
<223> Incyte ID No: 5324145CD1

<400> 6

Met	Tyr	Cys	Pro	Glu	Ser	Ala	Val	Ile	Leu	Leu	Ser	Thr	Thr	Val
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Leu	Glu	Asn	Val	Leu	Gln	Pro	Phe	His	Phe	Arg	Ala	Gly	Thr	Met
				20					25					30
Ser	Lys	Leu	Pro	Lys	Phe	Glu	Ile	Glu	Leu	Pro	Ala	Ala	Pro	Lys
				35					40					45
Ser	Thr	Lys	Pro	Ser	Leu	Ser	Glu	Arg	Asp	Ile	Ala	Met	Ala	Thr
				50					55					60
Ile	Tyr	Gly	Gln	Leu	Tyr	Val	Leu	Phe	Leu	Arg	His	His	Ser	Arg
				65					70					75
Thr	Ser	Asn	Ser	Thr	Gly	Ala	Glu	Val	Val	Leu	Tyr	His	Leu	Pro
				80					85					90
Arg	Glu	Gly	Ala	Cys	Lys	Lys	Met	His	Ile	Leu	Lys	Leu	Asn	Arg
				95					100					105
Thr	Gly	Lys	Phe	Ala	Leu	Asn	Val	Val	Asp	Asn	Leu	Val	Val	Val
				110					115					120

His His Gln Asp Thr Glu Thr Ser Val Ile Phe Asp Ile Lys Leu
 125 130 135
 Arg Gly Glu Phe Asp Gly Ser Val Thr Phe His His Pro Val Leu
 140 145 150
 Pro Ala Arg Ser Ile Gln Pro Tyr Gln Ile Pro Ile Thr Gly Pro
 155 160 165
 Ala Ala Val Thr Ser Gln Ser Pro Val Pro Cys Lys Leu Tyr Ser
 170 175 180
 Ser Ser Trp Ile Val Phe Gln Pro Asp Ile Ile Ile Ser Ala Ser
 185 190 195
 Gln Gly Tyr Leu Trp Asn Leu Gln Val Lys Leu Glu Pro Ile Val
 200 205 210
 Asn Leu Leu Pro Asp Lys Gly Arg Leu Met Asp Phe Leu Leu Gln
 215 220 225
 Arg Lys Glu Cys Lys Met Val Ile Leu Ser Val Cys Ser Gln Met
 230 235 240
 Leu Ser Glu Ser Asp Arg Ala Ser Leu Pro Val Ile Ala Thr Val
 245 250 255
 Phe Asp Lys Leu Asn His Glu Tyr Lys Lys Tyr Leu Asp Ala Glu
 260 265 270
 Gln Ser Tyr Ala Met Ala Val Glu Ala Gly Gln Ser Arg Ser Ser
 275 280 285
 Pro Leu Leu Lys Arg Pro Val Arg Thr Gln Ala Val Leu Asp Gln
 290 295 300
 Ser Asp Val Tyr Thr His Val Leu Ser Ala Phe Val Glu Lys Lys
 305 310 315
 Glu Met Pro His Lys Phe Val Ile Ala Val Leu Met Glu Tyr Ile
 320 325 330
 Arg Ser Leu Asn Gln Phe Gln Ile Ala Val Gln His Tyr Leu His
 335 340 345
 Glu Leu Val Ile Lys Thr Leu Val Gln His Asn Leu Phe Tyr Met
 350 355 360
 Leu His Gln Phe Leu Gln Tyr His Val Leu Ser Asp Ser Lys Pro
 365 370 375
 Leu Ala Cys Leu Leu Leu Ser Leu Glu Ser Phe Tyr Pro Pro Ala
 380 385 390
 His Gln Leu Ser Leu Asp Met Leu Lys Arg Leu Ser Thr Ala Asn
 395 400 405
 Asp Glu Ile Val Glu Val Leu Leu Ser Lys His Gln Val Leu Ala
 410 415 420
 Ala Leu Arg Phe Ile Arg Gly Ile Gly Gly His Asp Asn Ile Ser
 425 430 435
 Ala Arg Lys Phe Leu Asp Ala Ala Lys Gln Thr Glu Asp Asn Met
 440 445 450
 Leu Phe Tyr Thr Ile Phe Arg Phe Phe Glu Gln Arg Asn Gln Arg
 455 460 465
 Leu Arg Gly Ser Pro Asn Phe Thr Pro Gly Glu His Cys Glu Glu
 470 475 480
 His Val Ala Phe Phe Lys Gln Ile Phe Gly Asp Gln Ala Leu Met
 485 490 495
 Arg Pro Thr Thr Phe
 500

<210> 7
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 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 1004646CD1

<400> 7
 Met Ser Cys His Asn Cys Ser Asp Pro Gln Val Leu Cys Ser Ser
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 Gly Gln Leu Phe Leu Gln Pro Leu Trp Asp His Leu Arg Ser Trp
 20 25 30

Glu Ala Leu Leu Gln Ser Pro Phe Phe Pro Val Ile Phe Ser Ile
 35 40 45
 Thr Thr Tyr Val Gly Phe Cys Leu Pro Phe Val Val Leu Asp Ile
 50 55 60
 Leu Cys Ser Trp Val Pro Ala Leu Arg Arg Tyr Lys Ile His Pro
 65 70 75
 Asp Phe Ser Pro Ser Ala Gln Gln Leu Leu Pro Cys Leu Gly Gln
 80 85 90
 Thr Leu Tyr Gln His Val Met Phe Val Phe Pro Val Thr Leu Leu
 95 100 105
 His Trp Ala Arg Ser Pro Ala Leu Leu Pro His Glu Ala Pro Glu
 110 115 120
 Leu Leu Leu Leu His His Ile Leu Phe Cys Leu Leu Leu Phe
 125 130 135
 Asp Met Glu Phe Phe Val Trp His Leu Leu His His Lys Val Pro
 140 145 150
 Trp Leu Tyr Arg Thr Phe His Lys Val His His Gln Asn Ser Ser
 155 160 165
 Ser Phe Ala Leu Ala Thr Gln Tyr Met Ser Val Trp Glu Leu Phe
 170 175 180
 Ser Leu Gly Phe Phe Asp Met Met Asn Val Thr Leu Leu Gly Cys
 185 190 195
 His Pro Leu Thr Thr Leu Thr Phe His Val Val Asn Ile Trp Leu
 200 205 210
 Ser Val Glu Asp His Ser Gly Tyr Asn Phe Pro Trp Ser Thr His
 215 220 225
 Arg Leu Val Pro Phe Gly Trp Tyr Gly Gly Val Val His His Asp
 230 235 240
 Leu His His Ser His Phe Asn Cys Asn Phe Ala Pro Tyr Phe Thr
 245 250 255
 His Trp Asp Lys Ile Leu Gly Thr Leu Arg Thr Ala Ser Val Pro
 260 265 270
 Ala Arg

<210> 8
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 <212> PRT
 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 1802851CD1

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 Met Ser Gly Gly Trp Met Ala Gln Val Gly Ala Trp Arg Thr Gly
 1 5 10 15
 Ala Leu Gly Leu Ala Leu Leu Leu Leu Gly Leu Gly Leu Gly
 20 25 30
 Leu Glu Ala Ala Ala Ser Pro Leu Ser Thr Pro Thr Ser Ala Gln
 35 40 45
 Ala Ala Gly Pro Ser Ser Gly Ser Cys Pro Pro Thr Lys Phe Gln
 50 55 60
 Cys Arg Thr Ser Gly Leu Cys Val Pro Leu Thr Trp Arg Cys Asp
 65 70 75
 Arg Asp Leu Asp Cys Ser Asp Gly Ser Asp Glu Glu Glu Cys Arg
 80 85 90
 Ile Glu Pro Cys Thr Gln Lys Gly Gln Cys Pro Pro Pro Pro Gly
 95 100 105
 Leu Pro Cys Pro Cys Thr Gly Val Ser Asp Cys Ser Gly Gly Thr
 110 115 120
 Asp Lys Lys Leu Arg Asn Cys Ser Arg Leu Ala Cys Leu Ala Gly
 125 130 135
 Glu Leu Arg Cys Thr Leu Ser Asp Asp Cys Ile Pro Leu Thr Trp
 140 145 150
 Arg Cys Asp Gly His Pro Asp Cys Pro Asp Ser Ser Asp Glu Leu
 155 160 165
 Gly Cys Gly Thr Asn Glu Ile Leu Pro Glu Gly Asp Ala Thr Thr

170	175	180
Met Gly Pro Pro Val Thr Leu Glu Ser	Val Thr Ser Leu Arg	Asn
185	190	195
Ala Thr Thr Met Gly Pro Pro Val Thr	Leu Glu Ser Val Pro	Ser
200	205	210
Val Gly Asn Ala Thr Ser Ser Ser Ala	Gly Asp Gln Ser Gly	Ser
215	220	225
Pro Thr Ala Tyr Gly Val Ile Ala Ala	Ala Ala Val Leu Ser	Ala
230	235	240
Ser Leu Val Thr Ala Thr Leu Leu Leu	Leu Ser Trp Leu Arg	Ala
245	250	255
Gln Glu Arg Leu Arg Pro Leu Gly Leu	Leu Val Ala Met Lys	Glu
260	265	270
Ser Leu Leu Leu Ser Glu Gln Lys Thr	Ser Leu Pro	
275	280	

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<211> 437
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2764333CD1

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Arg Asn Asp Phe Ser Ile Trp Ser Ile	Leu Arg Lys Cys Ile Gly	
35 40 45		
Met Glu Leu Ser Lys Ile Thr Met Pro Val	Ile Phe Asn Glu Pro	
50 55 60		
Leu Ser Phe Leu Gln Arg Leu Thr Glu	Tyr Met Glu His Thr Tyr	
65 70 75		
Leu Ile His Lys Ala Ser Ser Leu Ser	Asp Pro Val Glu Arg Met	
80 85 90		
Gln Cys Val Ala Ala Phe Ala Val Ser	Ala Val Ala Ser Gln Trp	
95 100 105		
Glu Arg Thr Gly Lys Pro Phe Asn Pro	Leu Leu Gly Glu Thr Tyr	
110 115 120		
Glu Leu Val Arg Asp Asp Leu Gly Phe	Arg Leu Ile Ser Glu Gln	
125 130 135		
Val Ser His His Pro Pro Ile Ser Ala	Phe His Ala Glu Gly Leu	
140 145 150		
Asn Asn Asp Phe Ile Phe His Gly Ser	Ile Tyr Pro Lys Leu Lys	
155 160 165		
Phe Trp Gly Lys Ser Val Glu Ala Glu	Pro Lys Gly Thr Ile Thr	
170 175 180		
Leu Glu Leu Leu Glu His Asn Glu Ala	Tyr Thr Trp Thr Asn Pro	
185 190 195		
Thr Cys Cys Val His Asn Ile Ile Val	Gly Lys Leu Trp Ile Glu	
200 205 210		
Gln Tyr Gly Asn Val Glu Ile Ile Asn	His Lys Thr Gly Asp Lys	
215 220 225		
Cys Val Leu Asn Phe Lys Pro Cys Gly	Leu Phe Gly Lys Glu Leu	
230 235 240		
His Lys Val Glu Gly Tyr Ile Gln Asp	Lys Ser Lys Lys Lys Leu	
245 250 255		
Cys Ala Leu Tyr Gly Lys Trp Thr Glu	Cys Leu Tyr Ser Val Asp	
260 265 270		
Pro Ala Thr Phe Asp Ala Tyr Lys Lys	Asn Asp Lys Lys Asn Thr	
275 280 285		
Glu Glu Lys Lys Asn Ser Lys Gln Met	Ser Thr Ser Glu Glu Leu	
290 295 300		
Asp Glu Met Pro Val Pro Asp Ser Glu	Ser Val Phe Ile Ile Pro	

305	310	315
Gly Ser Val Leu Leu Trp Arg Ile Ala Pro Arg Pro Pro Asn Ser		
320	325	330
Ala Gln Met Tyr Asn Phe Thr Ser Phe Ala Met Val Leu Asn Glu		
335	340	345
Val Asp Lys Asp Met Glu Ser Val Ile Pro Lys Thr Asp Cys Arg		
350	355	360
Leu Arg Pro Asp Ile Arg Ala Met Glu Asn Gly Glu Ile Asp Gln		
365	370	375
Ala Ser Glu Glu Lys Lys Arg Leu Glu Glu Lys Gln Arg Ala Ala		
380	385	390
Arg Lys Asn Arg Ser Lys Ser Glu Glu Asp Trp Lys Thr Arg Trp		
395	400	405
Phe His Gln Gly Pro Asn Pro Tyr Asn Gly Ala Gln Asp Trp Ile		
410	415	420
Tyr Ser Gly Ser Tyr Trp Asp Arg Asn Tyr Phe Asn Leu Pro Asp		
425	430	435
Ile Tyr		

<210> 10

<211> 427

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2798021CD1

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20 25 30		
Lys Phe Pro Lys Glu Leu Glu Asn Lys Lys Glu Leu His Phe		
35 40 45		
Leu Gln Lys Val Val Ser Glu Pro Ala Met Gly His Ser Asp Leu		
50 55 60		
Leu Glu Leu Glu Ser Lys Ile Asn Glu Ile Asn Thr Glu Ile Asn		
65 70 75		
Gln Leu Ile Glu Lys Lys Met Met Arg Asn Glu Pro Ile Glu Gly		
80 85 90		
Lys Leu Ser Leu Tyr Arg Gln Gln Ala Ser Ile Ile Ser Arg Lys		
95 100 105		
Lys Glu Ala Lys Ala Glu Glu Leu Gln Glu Ala Lys Glu Lys Leu		
110 115 120		
Ala Ser Leu Glu Arg Glu Ala Ser Val Lys Arg Asn Gln Thr Arg		
125 130 135		
Glu Phe Asp Gly Thr Glu Val Leu Lys Gly Asp Glu Phe Lys Arg		
140 145 150		
Tyr Val Asn Lys Leu Arg Ser Lys Ser Thr Val Phe Lys Lys Lys		
155 160 165		
His Gln Ile Ile Ala Glu Leu Lys Ala Glu Phe Gly Leu Leu Gln		
170 175 180		
Arg Thr Glu Glu Leu Leu Lys Gln Arg His Glu Asn Ile Gln Gln		
185 190 195		
Gln Leu Gln Thr Met Glu Glu Lys Lys Gly Ile Ser Gly Tyr Ser		
200 205 210		
Tyr Thr Gln Glu Glu Leu Glu Arg Val Ser Ala Leu Lys Ser Glu		
215 220 225		
Val Asp Glu Met Lys Gly Arg Thr Leu Asp Asp Met Ser Glu Met		
230 235 240		
Val Lys Lys Leu Tyr Ser Leu Val Ser Glu Lys Lys Ser Ala Leu		
245 250 255		
Ala Ser Val Ile Lys Glu Leu Arg Gln Leu Arg Gln Lys Tyr Gln		
260 265 270		
Glu Leu Thr Gln Glu Glu Cys Asp Glu Lys Lys Ser Gln Tyr Asp Ser		
275 280 285		

Cys Ala Ala Gly Leu Glu Ser Asn Arg Ser Lys Leu Glu Gln Glu
 290 295 300
 Val Arg Arg Leu Arg Glu Glu Cys Leu Gln Glu Glu Ser Arg Tyr
 305 310 315
 His Tyr Thr Asn Cys Met Ile Lys Asn Leu Glu Val Gln Leu Arg
 320 325 330
 Arg Ala Thr Asp Glu Met Lys Ala Tyr Ile Ser Ser Asp Gln Gln
 335 340 345
 Glu Lys Arg Lys Ala Ile Arg Glu Gln Tyr Thr Lys Asn Thr Ala
 350 355 360
 Glu Gln Glu Asn Leu Gly Lys Lys Leu Arg Glu Lys Gln Lys Val
 365 370 375
 Ile Arg Glu Ser His Gly Pro Asn Met Lys Gln Ala Lys Met Trp
 380 385 390
 Arg Asp Leu Glu Gln Leu Met Glu Cys Lys Lys Gln Cys Phe Leu
 395 400 405
 Lys Gln Gln Ser Gln Thr Ser Ile Gly Gln Val Ile Gln Glu Gly
 410 415 420
 Gly Glu Asp Arg Leu Ile Leu
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<210> 11
 <211> 564
 <212> PRT
 <213> Homo sapiens

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 <221> misc_feature
 <223> Incyte ID No: 3335404CD1

<400> 11

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Gln	Leu	Ser	Ala	Ala	Ile	Pro	Ala	Thr	Arg	Val	Glu	Val	Ser	Val
										20	25			30
Ser	Cys	Arg	Asn	Leu	Leu	Asp	Arg	Asp	Thr	Phe	Ser	Lys	Ser	Asp
										35	40			45
Pro	Ile	Cys	Val	Leu	Tyr	Val	Gln	Gly	Val	Gly	Asn	Lys	Glu	Trp
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Arg	Glu	Phe	Gly	Arg	Thr	Glu	Val	Ile	Asp	Asn	Thr	Leu	Asn	Pro
										65	70			75
Asp	Phe	Val	Arg	Lys	Phe	Ile	Leu	Asp	Tyr	Phe	Phe	Glu	Glu	Arg
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Glu	Asn	Leu	Arg	Phe	Asp	Leu	Tyr	Asp	Val	Asp	Ser	Lys	Ser	Pro
										95	100			105
Asn	Leu	Ser	Lys	His	Asp	Phe	Leu	Gly	Gln	Val	Phe	Cys	Thr	Leu
										110	115			120
Gly	Glu	Ile	Val	Gly	Ser	Gln	Gly	Ser	Arg	Leu	Glu	Lys	Pro	Ile
										125	130			135
Val	Gly	Ile	Pro	Gly	Lys	Lys	Cys	Gly	Thr	Ile	Ile	Leu	Thr	Ala
										140	145			150
Glu	Glu	Leu	Asn	Cys	Cys	Arg	Asp	Ala	Val	Leu	Met	Gln	Phe	Cys
										155	160			165
Ala	Asn	Lys	Leu	Asp	Lys	Lys	Asp	Phe	Phe	Gly	Lys	Ser	Asp	Pro
										170	175			180
Phe	Leu	Val	Phe	Tyr	Arg	Ser	Asn	Glu	Asp	Gly	Ser	Phe	Thr	Ile
										185	190			195
Cys	His	Lys	Thr	Glu	Val	Val	Lys	Asn	Thr	Leu	Asn	Pro	Val	Trp
										200	205			210
Gln	Ala	Phe	Lys	Ile	Ser	Val	Arg	Ala	Leu	Cys	Asn	Gly	Asp	Tyr
										215	220			225
Asp	Arg	Thr	Ile	Lys	Val	Glu	Val	Tyr	Asp	Trp	Asp	Arg	Asp	Gly
										230	235			240
Ser	His	Asp	Phe	Ile	Gly	Glu	Phe	Thr	Ser	Tyr	Arg	Glu	Leu	
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Ser	Arg	Gly	Gln	Ser	Gln	Phe	Asn	Val	Tyr	Glu	Val	Val	Asn	Pro
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<213> *Homo sapiens*

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      20          25          30
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      35          40          45
Ala Ile Thr Phe Pro Ile Gln Lys Val Leu Phe Arg Gln Gln Leu
      50          55          60
Tyr Gly Ile Lys Thr Arg Asp Ala Ile Leu Gln Leu Arg Arg Asp
      65          70          75
Gly Phe Arg Asn Leu Tyr Arg Gly Ile Leu Pro Pro Leu Met Gln
      80          85          90
Lys Thr Thr Thr Leu Ala Leu Met Phe Gly Leu Tyr Glu Asp Leu
      95          100         105
Ser Cys Leu Leu His Lys His Val Ser Ala Pro Glu Phe Ala Thr
     110         115         120

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Ser Gly Val Ala Ala Val Leu Ala Gly Thr Thr Glu Ala Ile Phe
 125 130 135
 Thr Pro Leu Glu Arg Val Gln Thr Leu Leu Gln Asp His Lys His
 140 145 150
 His Asp Lys Phe Thr Asn Thr Tyr Gln Ala Phe Lys Ala Leu Lys
 155 160 165
 Cys His Gly Ile Gly Glu Tyr Tyr Arg Gly Leu Val Pro Ile Leu
 170 175 180
 Phe Arg Asn Gly Leu Ser Asn Val Leu Phe Phe Gly Leu Arg Gly
 185 190 195
 Pro Ile Lys Glu His Leu Pro Thr Ala Thr Thr His Ser Ala His
 200 205 210
 Leu Val Asn Asp Phe Ile Cys Gly Gly Leu Leu Gly Ala Met Leu
 215 220 225
 Gly Phe Leu Phe Phe Pro Ile Asn Val Val Lys Thr Arg Ile Gln
 230 235 240
 Ser Gln Ile Gly Gly Glu Phe Gln Ser Phe Pro Lys Val Phe Gln
 245 250 255
 Lys Ile Trp Leu Glu Arg Asp Arg Lys Leu Ile Asn Leu Phe Arg
 260 265 270
 Gly Ala His Leu Asn Tyr His Arg Ser Leu Ile Ser Trp Gly Ile
 275 280 285
 Ile Asn Ala Thr Tyr Glu Phe Leu Leu Lys Val Ile
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 <212> DNA
 <213> Homo sapiens

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 <223> Incyte ID No: 161190CB1

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 aaatacttcc gggagagagt cagcccagtg catctgcaaa tcctgctgac taacaatgaa 360
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 <213> Homo sapiens

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 gtagaagagc acatgtcagg ggcagtggag gctggctgtc gaaggatgaa cggagaggaa 180
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 <212> DNA
 <213> Homo sapiens

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 <223> Incyte ID No: 2454393CB1

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acggaagctg ccttttagag ccttcgac agatgccaga	aaaatccaca ctgccccctgc	240
ccgaaccatg ttcctgctgc gtccctgccc cattctgtt	gtgacaggcg gcgggtatgc	300
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tccacccaaa cttgctggtc actgggaggt ggcttgtac	aagtcaagtgc caacgcgtt	420
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 <213> Homo sapiens

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 <223> Incyte ID No: 2766980CB1

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